

# PLANT PATHOLOGY, PHD

## ADMISSIONS

### ADMISSIONS

Please consult the table below for key information about this degree program's admissions requirements. The program may have more detailed admissions requirements, which can be found below the table or on the program's website.

Graduate admissions is a two-step process between academic programs and the Graduate School. **Applicants must meet the minimum requirements (<https://grad.wisc.edu/apply/requirements/>) of the Graduate School as well as the program(s).** Once you have researched the graduate program(s) you are interested in, apply online (<https://grad.wisc.edu/apply/>).

Requirements	Detail
Fall Deadline	December 1
Spring Deadline	This program does not admit in the spring.
Summer Deadline	December 1
GRE (Graduate Record Examinations)	Not required.
English Proficiency Test	Every applicant whose native language is not English, or whose undergraduate instruction was not exclusively in English, must provide an English proficiency test score earned within two years of the anticipated term of enrollment. Refer to the Graduate School: Minimum Requirements for Admission policy: <a href="https://policy.wisc.edu/library/UW-1241">https://policy.wisc.edu/library/UW-1241</a> ( <a href="https://policy.wisc.edu/library/UW-1241/">https://policy.wisc.edu/library/UW-1241/</a> ).
Other Test(s) (e.g., GMAT, MCAT)	n/a
Letters of Recommendation Required	3

Students who are admitted to the department must meet the Graduate School requirements, including completion of a bachelor's degree. Satisfactory preparation for graduate study in plant pathology includes coursework in biology, chemistry, math, and physics. Successful applicants have generally completed this foundation coursework before admission (see UW-Madison equivalent courses below). However, if foundation course requirements have not been fulfilled before matriculation, they must be completed as early as possible in the course of study.

Successful applicants typically exceed the minimum requirement of a 3.0 GPA (on a 4.0 scale) and articulate a strong interest in the discipline in their application. Prior research experience is an asset for any applicant, and letters of recommendation from research advisors are viewed as one of the most useful means of evaluating applications.

Applications received after the deadline will be reviewed, but they are disadvantaged for admission and financial support.

A complete admission application acts as the application for financial support. All students who are admitted are offered financial support, generally in the form of a research assistantship (RA).

Students must complete the foundation requirements; UW-Madison coursework that can be used to meet foundation requirements is listed below. The expectation is that a majority of these are met through undergraduate coursework, often taken at other universities during a student's undergraduate career. A review of undergraduate transcripts to check for foundation requirements is part of the admission process, and students are notified if they will be required to take foundation requirements as part of their graduate program of study. Foundation courses include three of four from genetics, plant anatomy/morphology, plant physiology, and general ecology; 2 semesters of general chemistry, organic chemistry (including a lab), and biochemistry; one semester of general physics (with lab); and introductory calculus and statistics.

### FOUNDATION COURSES

Code	Title	Credits
<b>Biology (must complete 3 out of 4)</b>		
GENETICS 466	Principles of Genetics	3
BOTANY 300	Plant Anatomy	4
or BOTANY 305	Plant Morphology and Evolution	
BOTANY 500	Plant Physiology	3-4
F&W ECOL/ BOTANY/ ZOOLOGY 460	General Ecology	4
<b>Chemistry</b>		
Inorganic Chemistry (complete one of the following options)		
CHEM 103 & CHEM 104	General Chemistry I and General Chemistry II	9
CHEM 109	Advanced General Chemistry	5
Organic Chemistry (complete one of following options)		
CHEM 341 & CHEM 342	Elementary Organic Chemistry and Elementary Organic Chemistry Laboratory	4
CHEM 343 & CHEM 344 & CHEM 345	Organic Chemistry I and Introductory Organic Chemistry Laboratory and Organic Chemistry II	8
Biochemistry (complete one of the following options)		
BIOCHEM 501	Introduction to Biochemistry	3
BIOCHEM 507 & BIOCHEM 508	General Biochemistry I and General Biochemistry II	6-7
<b>Physics (complete one of the following options)</b>		
PHYSICS 103 & PHYSICS 104	General Physics and General Physics	8
PHYSICS 201 & PHYSICS 202	General Physics and General Physics	10
PHYSICS 207 & PHYSICS 208	General Physics and General Physics	10
<b>Calculus</b>		
MATH 221	Calculus and Analytic Geometry 1 (recommended) <sup>1</sup>	5
or MATH 211	Survey of Calculus 1	
<b>Statistics</b>		

2 Plant Pathology, PhD

STAT 371	Introductory Applied Statistics for the Life Sciences	3
or STAT 301	Introduction to Statistical Methods	

<sup>1</sup> MATH 211 can also meet foundational requirements, but unlike MATH 221 it is not targeted for Biology students. Students looking to meet foundation requirements through UW-Madison coursework are advised to take MATH 221.